



**RÖNTGEN®**

GERMAN QUALITY - ENDURING PRECISION

# **BAND SAW BLADES PROGRAM**

Product overview



**BAND SAW BLADES  
FOR THE WORLD  
AND BEYOND!**

**HM-Titan**

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## RANGE OF APPLICATIONS

### EXPLANATION OF ICONS

Due to the variety of our band saw blades, we are able to cover a wide range of applications. The following icons indicate which band saw blade fits best to your individual cutting job.

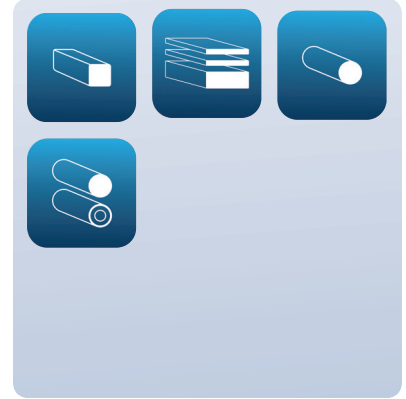


## HM-Titan

### MU

- multi-chip geometry
- universal use, cutting of all common steel types up to a hardness of 1600 N/mm<sup>2</sup>
- tooth tips made of high-quality carbide
- backing material made of high alloyed spring steel
- particularly quiet and vibration free cutting with an optimized cutting surface due to precise ground geometry

#### RANGE OF APPLICATIONS



#### Teeth per inch

	0.85/1.15	1.1/1.6	1.5/2	1.8/2.2	2/3	3/4	
27 x 0.9						■	1 x .035
34 x 1.1					■	■	1 1/4 x .042
41 x 1.3			■		■	■	1 1/2 x .050
54 x 1.3			■		■	■	2 x .050
54 x 1.6	■	■	■		■	■	2 x .063
67 x 1.6	■	■	■	■			2 5/8 x .063
80 x 1.6		■					3 1/8 x .063

Width x thickness (mm) ■ Hook tooth

## HM-Titan

### forteC

- corresponds to the specification of HM-Titan MU with an additional forteC-coating for increasing cutting performance
- increased performance and reduced cutting times
- pre-honed cutting edges

#### RANGE OF APPLICATIONS



#### Teeth per inch

	0.85/1.15	1.1/1.6	1.5/2	1.8/2.2	2/3	3/4	
34 x 1.1					■	■	1 1/4 x .042
41 x 1.3			■		■	■	1 1/2 x .050
54 x 1.3			■		■		2 x .050
54 x 1.6		■	■		■		2 x .063
67 x 1.6	■	■	■	■			2 5/8 x .063
80 x 1.6	■	■					3 1/8 x .063

Width x thickness (mm) ■ Hook tooth

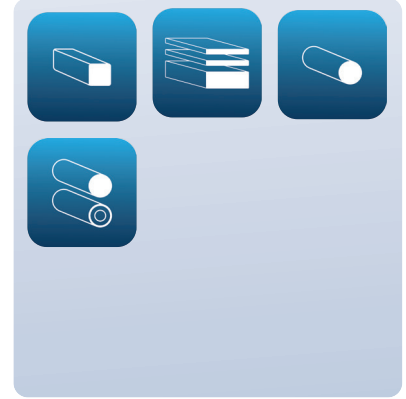
## HM-Titan

B0

MUSN

- high performance band saw blade with special geometry
- cutting of hardened/inductive annealed and extremely hard materials > 50 HRC
- tooth tips made of high-quality carbide
- backing material made of high alloyed spring steel
- MUSN requires for the use of heavy-duty sawing machines

### RANGE OF APPLICATIONS



### Teeth per inch

	1.5/2	2/3	3/4	
27 x 0.9			● ■	1 x .035
34 x 1.1		■	● ■	1 1/4 x .042
41 x 1.3	■	● ■	● ■	1 1/2 x .050
54 x 1.3		■	■	2 x .050
54 x 1.6		■	■	2 x .063

Width x thickness (mm) ■ tooth form B0 ● tooth form MUSN

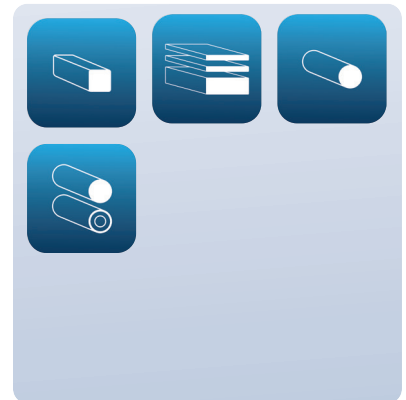
## HM-Titan

SET

nSET

- multi-chip geometry
- universal use, cutting of all common steel types up to a hardness of 1600 N/mm<sup>2</sup>
- the special set pattern causes a larger cutting channel, prevents the saw blade from binding in materials with residual stress (i.e. Inconel, Hastelloy)
- also suitable for powerful sawing machines and less powerful machines not specially equipped for TCT-blades
- particularly suitable for large contact lengths
- available in step set (SET) and normal set (nSET)

### RANGE OF APPLICATIONS



### Teeth per inch

	0.7/1.0	0.85/1.15	1.1/1.6	1.5/2	2/3	3/4	
27 x 0.9						●	1 x .035
34 x 1.1					■ ●	●	1 1/4 x .042
41 x 1.3				■ ●	■ ●	●	1 1/2 x .050
54 x 1.3				■ ●	●	●	2 x .050
54 x 1.6				■ ●	■ ●	●	2 x .063
67 x 1.6		■	■ ●	■ ●			2 5/8 x .063
80 x 1.6	■	■	■				3 1/8 x .063
100 x 1.6							4 x .063

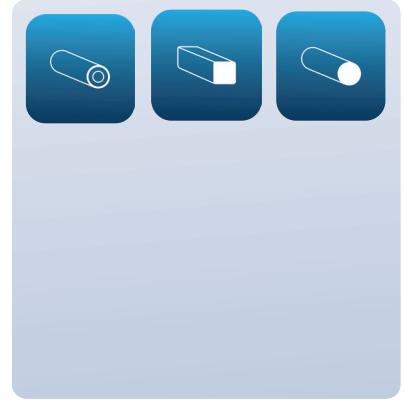
Width x thickness (mm) ■ SET ● nSET

## HM-Titan

### Profile

- multi-chip geometry
- cutting of all common steel types up to a hardness of 1900 N/mm<sup>2</sup>
- particularly suitable for thick-walled tubes/tough materials/special alloys

#### RANGE OF APPLICATIONS



#### Teeth per inch

	1.5/2	1.8/2.2	2/3	3/4	
27 x 0.9				■	1 x .035
34 x 1.1			■	■	1 1/4 x .042
41 x 1.3				■	1 1/2 x .050
54 x 1.3				■	2 x .050
54 x 1.6	■		■		2 x .063
67 x 1.6	■	■			2 5/8 x .063

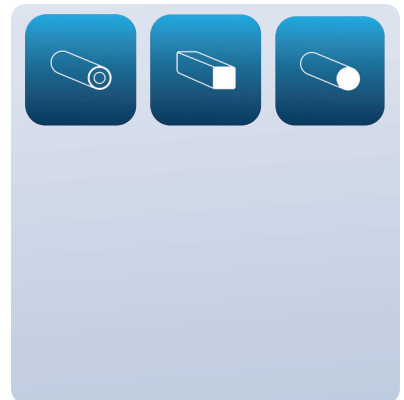
Width x thickness (mm) ■ Profile

## HM-Titan

### Profile forteC

- corresponds to the specification of HM-Titan Profile with an additional forteC-coating for increasing cutting performance
- increase in performance of 10-30% with the same tool life
- pre-honed cutting edges

#### RANGE OF APPLICATIONS



#### Teeth per inch

	1.1/1.6	1.5/2	2/3	3/4	
41 x 1.3		●	●	●	1 1/2 x .050
54 x 1.3					2 x .050
54 x 1.6	●	●	●	●	2 x .063
67 x 1.6		●			2 5/8 x .063

Width x thickness (mm) ● Profile

On request type BO and type MUSN are also deliverable with forteC-coating

#### SOLUTIONS FOR SPECIAL APPLICATIONS

##### RÖNTGEN back wave (RW)

The RÖNTGEN "RW" is brought on the back edge of the ready welded loop. The wave reduces the effective contact length in the cutting channel. The shorter contact length reduces the cutting force required, resulting in increased saw blade tool life.

## HM-Titan

### ALU2

- 3-chip-geometry
- developed for abrasive, high silicon alloys
- tooth tips made of wear resistant special carbide
- high alloyed spring steel strip for high blade speeds and feeds
- particularly suitable for blocks, plates, sprues and risers

#### RANGE OF APPLICATIONS



#### Teeth per inch

	2	3	0.85/1.15	1.1/1.6	1.5/2	2/3	
20 x 0.9		■					3/4 x .035
27 x 0.9		■				■	1 x .035
34 x 1.1	■	■			■	■	1 1/4 x .042
41 x 1.3					■	■	1 1/2 x .050
54 x 1.3					■	■	2 x .050
54 x 1.6			■	■	■		2 x .063
80 x 1.6			■				3 1/8 x .063

Width x thickness (mm) ■ Hook tooth

## HM-Titan

### ALU3

- multi-chip geometry
- developed for abrasive, high silicon alloys
- tooth tips made of wear resistant special carbide
- high alloyed spring steel strip for high blade speeds and feeds
- particularly suitable for manual feed
- optimized cutting surfaces for plates- and block cutting applications

#### RANGE OF APPLICATIONS



#### Teeth per inch

	2	3	1.1/1.6	1.5/2	2/3	
27 x 0.9		■			■	1 x .035
34 x 1.1	■	■		■	■	1 1/4 x .042
41 x 1.3			■	■		1 1/2 x .050
54 x 1.3				■		2 x .050
54 x 1.6			■	■		2 x .063

Width x thickness (mm) ■ Hook tooth

## HM-Titan

### ALU MAX

- multi-chip geometry
- optimized for large contact lengths
- tooth tips made of wear resistant special carbide
- high alloyed spring steel strip for high blade speeds and feeds
- optimized cutting surfaces for plates- and block cutting applications

#### RANGE OF APPLICATIONS



#### Teeth per inch

	0.7/1	0.9/1.2	1.1/1.6	
41 x 1.3			■	1 1/2 x .050
54 x 1.3		■		2 x .050
54 x 1.6		■		2 x .063
80 x 1.6	■	■		3 1/8 x .063

Width x thickness (mm) ■ Hook tooth

## HM-Titan

### ALU SET

- 3-chip-geometry
- universal use, also suitable for mineral materials
- the special set pattern causes a larger cutting channel, prevents the saw blade from binding in materials with residual stress
- high alloyed spring steel strip for high blade speeds and feeds
- particularly suitable for manual feed

#### RANGE OF APPLICATIONS



#### Teeth per inch

	2	3	
20 x 0.9		■	3/4 x .035
27 x 0.9		■	1 x .035
34 x 1.1	■	■	1 1/4 x .042

Width x thickness (mm) ■ Hook tooth

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